

PROTECTION AND CONNECTION

Baseline

OFAZ and OFAX Fuse Bases

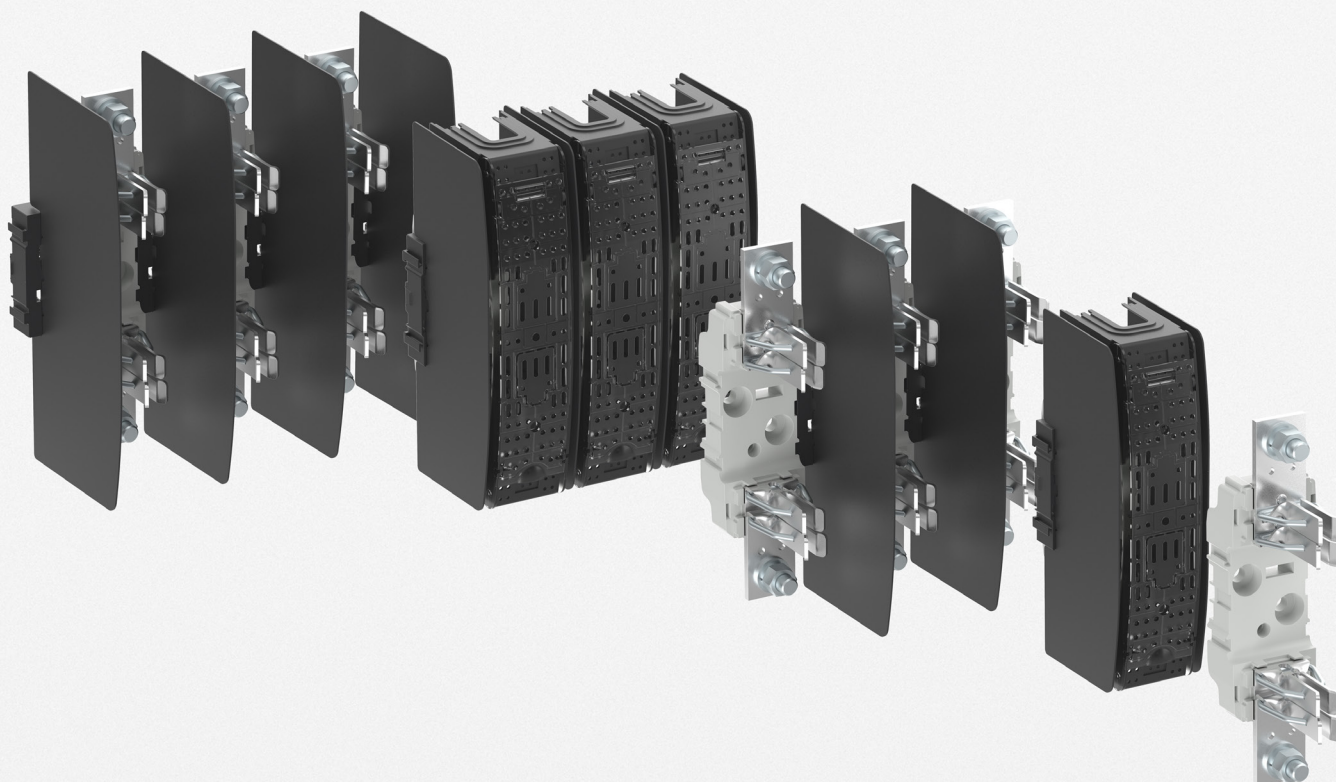


Table of content

004	OFAZ and OFAX fuse bases
005	Part number key
006-007	Ordering information
007	Accessories
008	Technical data
009-011	Dimension drawings

Fuse bases

Simple and compact solution for low voltage applications

The OFAZ and OFAX plastic fuse bases fulfil the highest requirements with a total safety concept. The fuse bases can be used in combination with NH fuse-links according to IEC 60269-2 and DIN VDE 0636-2 and solid links.



Safety and protection

Fuse bases offer a compact and simple solution for application of fuses as protective elements in low voltage applications and are characterized by galvanically silver plated contacts providing reliable and high performing contact characteristics. OFAZ and OFAX fuse bases are available as open types or fully protected IP20 versions.



Easy to install

Plastic fuse bases OFAZ and OFAX for NH fuses are suitable for screw mounting. A wide range of cable terminals make the installation easy and fast. Replacement is compatible to similar types in the market.



Affordable range

Affordability has been one of the key objectives for this device. The available functionalities have been carefully selected to meet market requirements without added niche features that would elevate price. It is simple, reliable and functional.



Part number key

OFAZ00P3L

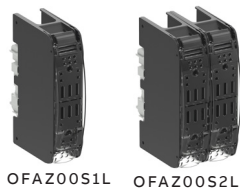
Fuse base, size
OFAZ = 00, 1, 2, 3
OFAZ = 4a
Protection
A Open (phase barriers only between the poles)
P Open with phase barriers
S Full protection to IP 20
Number of poles
1 1-pole
2 2-pole
3 3-pole
Note: Contact ABB for more details on the available versions.

Ordering Information

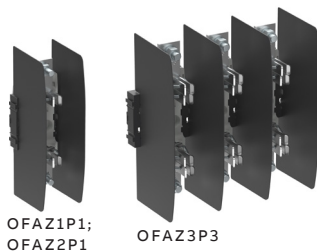
Fuse Bases OFAZ and OFAX



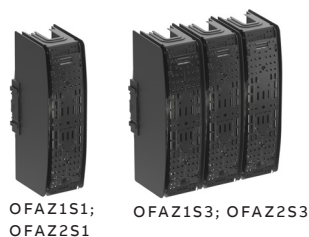
OFAZ00P1L OFAZ00P3L



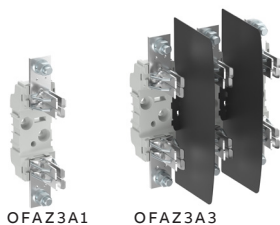
OFAZ00S1L OFAZ00S2L



OFAZ1P1;
OFAZ2P1 OFAZ3P3



OFAZ1S1;
OFAZ2S1 OFAZ1S3; OFAZ2S3



OFAZ3A1 OFAZ3A3

Fuse bases

Standard delivery including terminal bolt set in sizes 00...3.

Standard delivery including terminal bolt set (M16 x 50) in size 4a.

Number of poles	Terminal Width	Rated current In	Type	Order code	Packing Weight	
	mm				A	pcs
Fuse bases for fuse size 00						
Open with phase barriers IP 00						
1	20	160	OFAZ00P1L	1SCA151155R1001	3	0,5
2	20	160	OFAZ00P3L	1SCA151156R1001	1	0,5
Full protection IP 20						
1	20	160	OFAZ00S1L	1SCA151157R1001	3	0,6
2	20	160	OFAZ00S2L	1SCA151158R1001	1	0,4
3	20	160	OFAZ00S3L	1SCA151159R1001	1	0,6
Fuse bases for fuse size 1						
Open with phase barriers IP 00						
1	35	250	OFAZ1P1	1SCA151160R1001	3	0,1
3	35	250	OFAZ1P3	1SCA151161R1001	1	0,1
Full protection IP 20						
1	35	250	OFAZ1S1	1SCA151162R1001	3	0,2
2	35	250	OFAZ1S2	1SCA151163R1001	1	0,1
3	35	250	OFAZ1S3	1SCA151164R1001	1	0,2
Fuse bases for fuse size 2						
Open with phase barriers IP 00						
1	35	400	OFAZ2P1	1SCA151165R1001	3	0,2
3	35	400	OFAZ2P3	1SCA151166R1001	1	0,2
Full protection IP 20						
1	35	400	OFAZ2S1	1SCA151167R1001	3	0,2
2	35	400	OFAZ2S2	1SCA151168R1001	1	0,2
3	35	400	OFAZ2S3	1SCA151169R1001	1	0,2
Fuse bases for fuse size 3						
Open (phase barriers only between the poles) IP 00						
1	35	630	OFAZ3A1	1SCA151170R1001	3	0,2
3	35	630	OFAZ3A3	1SCA151171R1001	1	0,2
Open with phase barriers IP 00						
1	35	630	OFAZ3P1	1SCA151172R1001	3	0,3
3	35	630	OFAZ3P3	1SCA151173R1001	1	0,3
Full protection IP 20						
1	35	630	OFAZ3S1	1SCA151174R1001	3	0,3
2	35	630	OFAZ3S2	1SCA151175R1001	1	0,2
3	35	630	OFAZ3S3	1SCA151177R1001	1	0,3
Fuse bases for fuse size 4						
Full protection IP 20						
1	60	1250	OFAX4AS1	1SCA022631R2410	1	4,2
3	60	1250	OFAX4AS31 ¹⁾	1SCA022631R2500	1	12,6
3	60	1250	OFAX4AS33 ²⁾	1SCA022631R2680	1	13,0

1) 1-pole cover

2) 3-pole cover

Ordering Information, Accessories

Fuse Bases OFAZ and OFAX



OZXB2



OZXB3



OZXB4



OZXB5



OZXB6



OFAE506

Terminal Accessories

To be ordered separately.

For fuse base sizes	Terminal Width mm	Remarks	Type	Order code	Packing pcs
Terminal sets for Al and Cu cables					
00_L	20	25...120 mm ² Al/Cu	OZXB2	1SCA022119R7610	3
1,2,3	35	70...185 mm ² Al/Cu	OZXB3	1SCA022136R8100	3
1,2,3	35	2x(70...185) mm ² Al/Cu	OZXB4	1SCA022137R4760	3
1,2,3	35	120...300 mm ² Al/Cu	OZXB5	1SCA022137R2470	3
3	35	2x(120...300) mm ² Al/Cu	OZXB6	1SCA022137R4920	3
Terminal bolt sets					
00_L	20	M8 x 20 mm	OZXE1	1SCA022008R7900	6
1,2	35	M10 x 30 mm	OZXE2	1SCA022008R8030	6
1,2	35	M10 x 40 mm	OZXE6	1SCA022008R8460	6
3	35	M12 x 40 mm	OZXE3	1SCA022008R8110	6

Fuse handles

For fuse sizes	Type	Order code	Packing pcs
000, 00, 1, 2, 3	OFAE506	1SCA12175R1001	1

Technical data

		OFAZ00_	OFAZ1_	OFAZ2_	OFAZ3_	OFAX4_
Fuse size		NH00, NH000	NH0, NH1	NH1, NH2	NH2, NH3	NH4a
Rated insulation voltage U_i	VAC/DC		1000			800
Rated operational voltage U_e	VAC			690		
Rated current I_n	A	160	250	400	630	1250
Conv. free air thermal current with fuse links I_{th}	A	160	250	400	630	1250
Conv. free air thermal current with solid links I_{th}	A	200	320	500	800	1250
Rated frequency	Hz		40-60			50
Max. permis. power dissipation per fuse link P_a	W	12	32	45	60	190
Derating temperature factors for max. Current	≤ 35 °C			1		
	40 °C		0,95			1
	50 °C		0,85			0,88
	60 °C					0,72
	70 °C					0,56
	80 °C					0,4
Ambient temperature range T_{amb}	°C		-25 ...+5			-40 ... +55
Rated operating mode			Uninterrupted			
Mounting position			Vertical, horizontal			Horizontal
Pollution degree			3			
Overvoltage category			III			IV
Degree of protection			IP00 without covers, IP20 with covers			IP2X (Front)
Standards			IEC20269-2, DIN VDE 0636, DIN 43620			

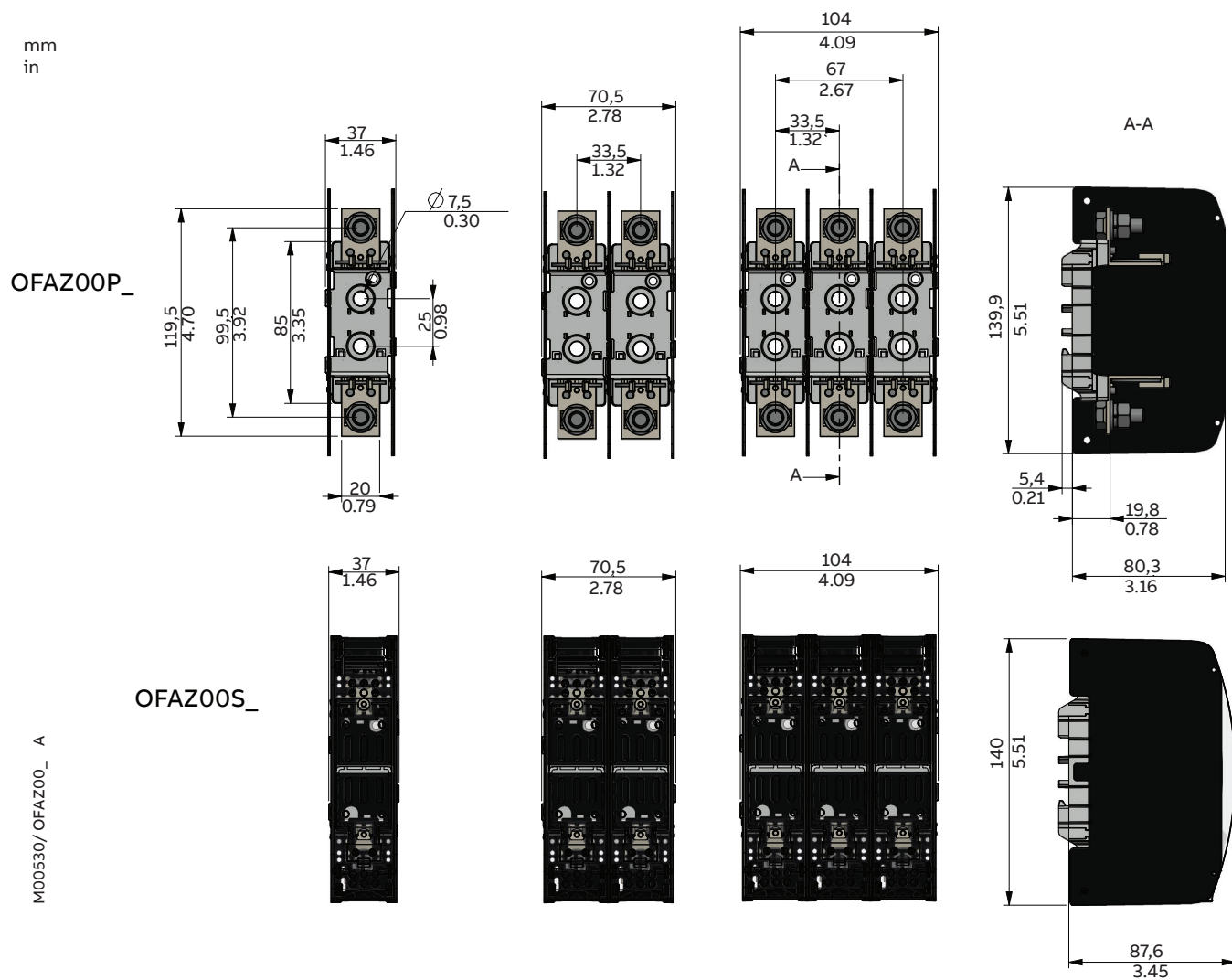
Catalog: Fuse link

DIN-type HRC-fuse links can be used with fuse bases OFAZ00, OFAZ1, OFAZ2, OFAZ3 and OFAX4. For more information refer to the catalog Fusegear, code 1SCC317001C0201



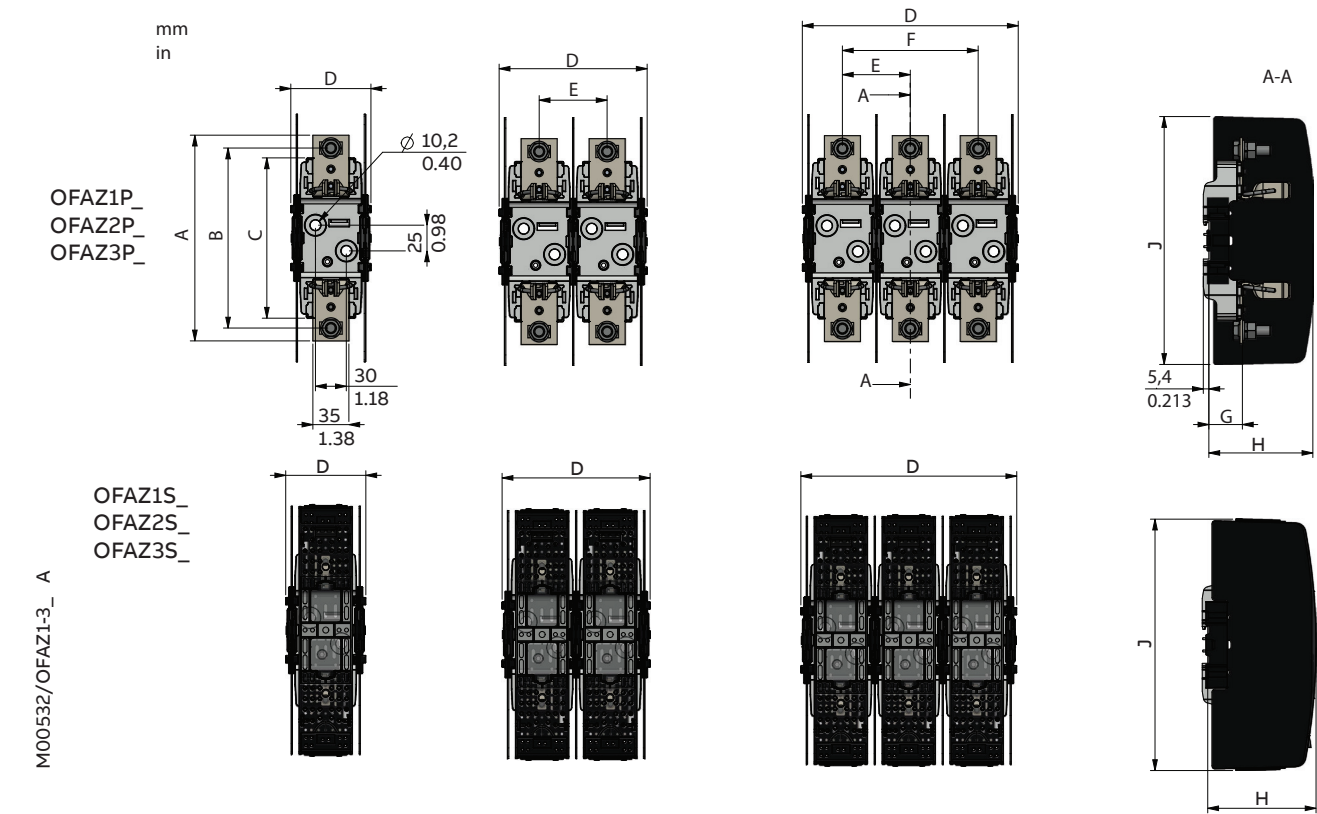
Dimension drawings

Fuse Bases OFAZ00_



Dimension drawings

Fuse Bases OFAZ1/2/3_

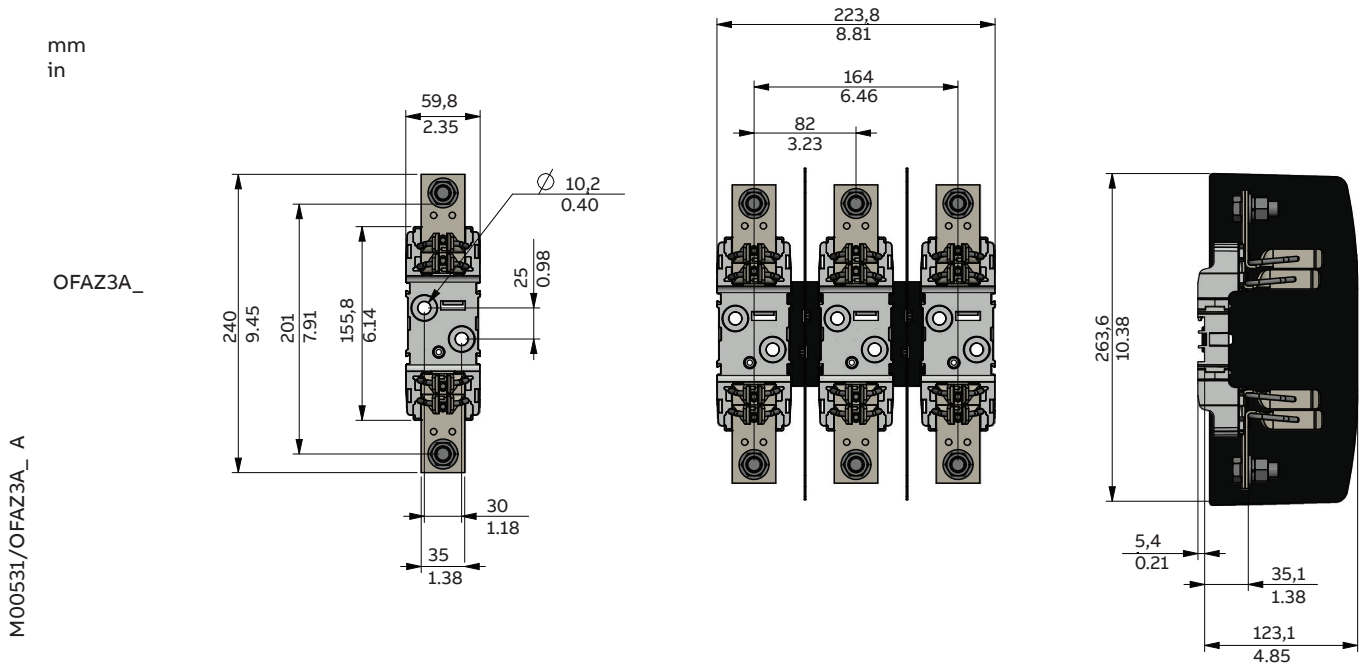


	OFAZ1P1/S1		OFAZ1P2/S2		OFAZ1P3/S3		OFAZ2P1/S1		OFAZ2P2/S2	
A	200/7,87		200/7,87		200/7,87		225/8,86		225/8,86	
B	175/6,89		175/6,89		175/6,89		200/7,87		200/7,87	
C	155,8/6,14		155,8/6,14		155,8/6,14		155,8/6,14		155,8/6,14	
D	77,9/3,07		143,9/5,67		209,9/8,26		77,9/3,07		143,9/5,67	
E			66/2,60		66/2,60				66/2,60	
F					132/5,20					
G	32,6/1,28		32,6/1,28		32,6/1,28		32,6/1,28		32,6/1,28	
H	101,1/3,98	105,3/4,15	101,1/3,98	105,3/4,15	101,1/3,98	105,3/4,15	108,6/4,28	113,8/4,48	108,6/4,28	113,8/4,48
J	241/9,49	244,4/9,62	241/9,49	244,4/9,62	241/9,49	244,4/9,62	265,8/10,46	269,4/10,61	265,8/10,46	269,4/10,61

	OFAZ2P3/S3		OFAZ3P1/S1		OFAZ3P2/S2		OFAZ3P3/S3	
A	225/8,86		240/9,45		240/9,45		240/9,45	
B	200/7,87		210/8,27		210/8,27		210/8,27	
C	155,8/6,14		155,8/6,14		155,8/6,14		155,8/6,14	
D	209,9/8,26		109,9/4,33		191,9/7,56		273,9/10,78	
E	66/2,60				82/3,23		82/3,23	
F	132/5,20						164/6,46	
G	32,6/1,28		33,9/1,33		33,9/1,33		33,9/1,33	
H	108,6/4,28	113,8/4,48	123,1/4,85	128,5/5,06	123,1/4,85	128,5/5,06	123,1/4,85	128,5/5,06
J	265,8/10,46	269,4/10,61	266,6/10,5	270,2/10,64	266,6/10,5	270,2/10,64	266,6/10,5	270,2/10,64

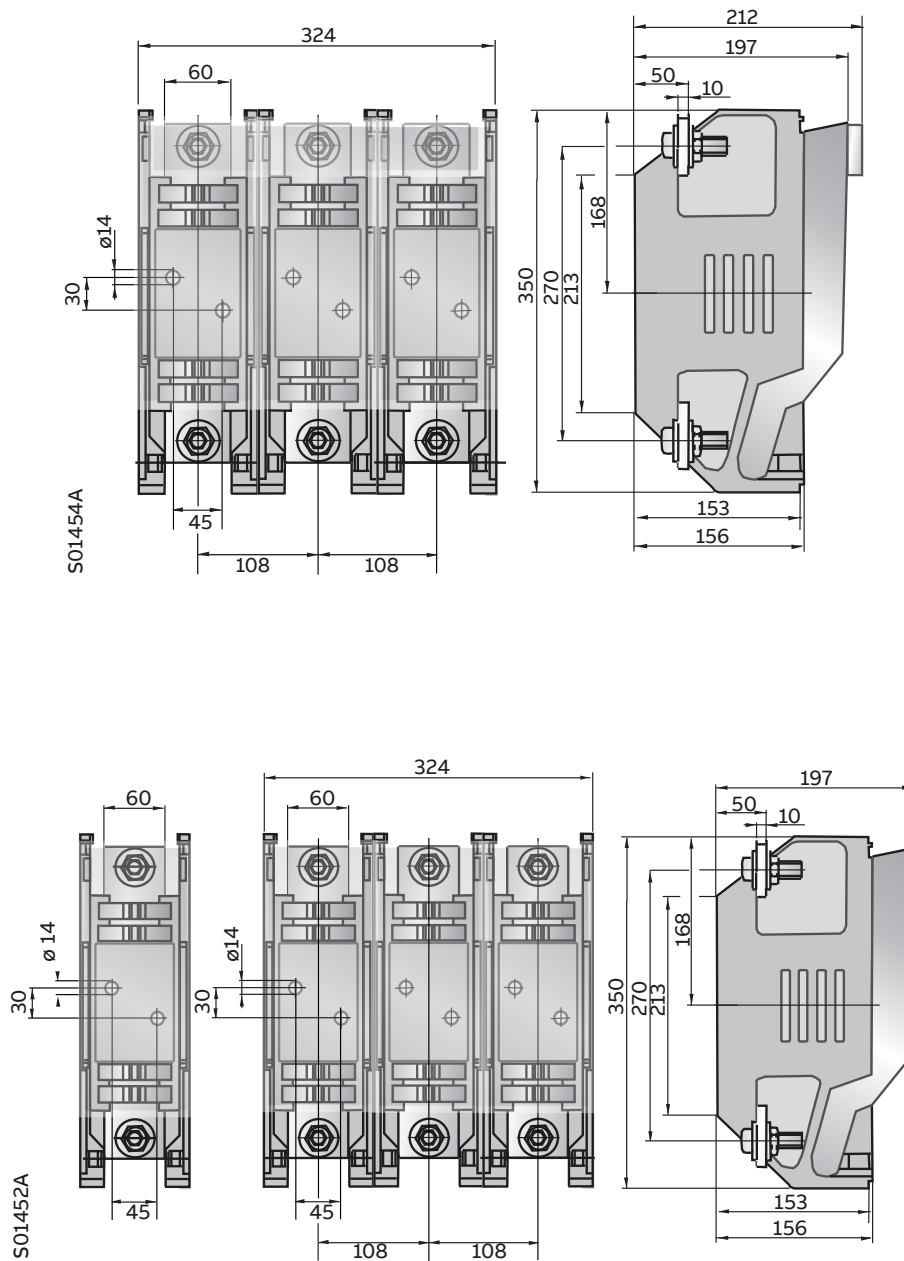
Dimension drawings

Fuse Bases OFAZ3A_



Dimension drawings

Fuse Bases OFAX4A_





Additional information

We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB AG does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction, disclosure to third parties or utilization of its contents – in whole or in parts – is forbidden without prior written consent of ABB AG.

—

ABB Oy

Protection and Connection

www.abb.com

**Find the address of your local sales
organization on the ABB homepage:**

www.abb.com/contacts

> Low Voltage Products and Systems